

CLAIMS

1. An antenna (1), comprising a dielectric support (3), an electrically conductive track (4) printed on the support, said track originating at a first contact pad (5) and terminating at a second contact pad (6), the first contact pad being connected to an auxiliary contact pad (19) via a conductive connection (7), said auxiliary contact pad being situated in the vicinity of the second contact pad and said conductive connection being intended to cross the track, while being insulated from the track by an insulating strip (8) interposed by superimposition between the track and the connection, characterized in that

- the insulating strip is printed with at least one first recess (12) intended to receive the track or the connection and comprising, in the base of the recess, a slope that connects one face of the strip with another face of the strip.

2. The antenna according to claim 1, further characterized in that it comprises at least one second recess (13) furnished with a slope that is oriented in the opposite direction in relation to the slope of the first recess.

3. The antenna in accordance with claim 2, further characterized in that the first recess and the second recess are produced in such a manner that they enable the passage

- of the track or of at least one spiral (14), it being possible to form a track by a series of spirals that are in succession, one following the other, and/or
- of the connection.

4. The antenna according to one of claims 2 to 3, further characterized in that the first recess and the second recess are produced so as to correspond to each other along one direction of formation of the track or of the connection.

5. The antenna according to one of claims 1 to 4, further characterized in that the insulating strip forms a stepped pyramid along a longitudinal section of the antenna passing at the site of the superimposition of the track and of the connection.

6. The antenna according to one of claims 1 to 5, further characterized in that the track and/or the connection is produced by a helioengraving technique.

7. The antenna according to claim 6, further characterized in that the track and/or the connection is afterwards metallized.

8. The antenna according to one of claims 1 to 7, further characterized in that the dielectric support is made of polyester or of PVC or of polypropylene.

9. A method of production of an antenna (1), comprising a dielectric support (3), an electrically conductive track (4) printed on the support, said track originating at a first contact pad (5) and terminating at a second contact pad (6), the first contact pad being connected to an auxiliary contact pad (19) via a conductive connection (7), said auxiliary contact pad being situated in the vicinity of the second contact pad and said conductive connection being intended to cross the track, while being insulated from the track by an insulating strip (8) interposed by superimposition between the track and the connection, characterized in that it comprises the following steps, carried out in the following order:

- the connection or the track is printed on the dielectric support,
- then the insulating strip is printed on the connection or on the track,
- then the track or the connection, respectively, is printed on the insulating strip.

10. The method according to claim 9, further characterized in that

- at least one portion of the connection printed on the support is enlarged, said portion being intended for being in contact with the support and with the insulating strip.

11. The method according to one of claims 9 to 10, further characterized in that

- afterwards, the track or the connection is metallized in a chemical technique or in an electrolytic technique.

12. The method according to one of claims 9 to 11, further characterized in that

- the track or the connection is printed by a helioengraving technique.

13. The method according to one of claims 9 to 12, further characterized in that

- there is produced a least one first recess (12), intended to receive the track or the connection and comprising, in the base of the recess, a slope (20) that connects one face of the strip with another face of the strip.

14. The method according to claim 13, characterized in that

- at least one second recess (13) is produced, comprising a slope (21) that is oriented in the opposite direction in relation to the slope (20) of the first recess, the first

recess and the second recess corresponding to each other along one direction of formation or of the track of the connection.

15. The method according to one of claims 9 to 14, further characterized in that

- the strip is produced by two applications or four applications of a dielectric ink in such a manner that the strip forms a stepped pyramid at the site of the superimposition of the track and of the connection.